

SECRET

MONTHLY REPORT

1 - 30 September 1960

Materiel Support Branch
Engineering Staff

I. PROJECTS AND ACTIVITIES

A. Materiel Support Branch:

[Redacted Content]

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2. The Consolidated Memorandum receipts [Redacted] were verified. Both accounts were queried regarding discrepancies not accounted for on the Consolidated Memorandum Receipt.

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C. Test and Inspection Section:

1. Paid overtime in the amount of 64 hours was required to keep up with the work load demand.

2. Representatives from Collins Radio Co. arrived 21 September for the purpose of rectifying 51-J⁴ sensitivity troubles. A work shop was established in the local Collins Radio Company's office in Washington, and quantities of 40 to 50 receivers were picked up daily by the Collins Radio Company representative. As of 29 September, 152 were adjusted and 16 were rejected after adjustment for return to Collins Radio Company for further investigation. In general, the poor sensitivity is a result of several factors at the factory. It appears that the mechanical filters vary widely in performance. When this was coupled with certain factory adjustment techniques, poor sensitivity resulted. The majority of the radios were brought into specification by IF alignment and mechanical filter replacement. Specifications for mechanical filter condition tests using a 51-J⁴ receiver will be forthcoming from Collins the first week in October. It was resolved that the T & I Section would use a dummy antenna compatible with that employed at Collins Radio Company in place of the IRE standard dummy antenna previously employed for overall sensitivity tests.

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[Redacted]

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4. Test equipment for a T & I Shop [Redacted], programed for FY61, has been requisitioned.

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5. The Mechanical Unit designed and fabricated brackets for mounting transistorized VFC equipment in Motorola VHF link equipment.

[Redacted]

8. A "cut-off" time of 1500 hours has been established for "rush" or "expedite" requisitions arriving in the T & I Section to permit completion of daily work schedules. Requisitions arriving later will be processed the following day. It has been found that an average of two hours is required for the test and inspection of any single piece of equipment. A breakdown of average time for typical equipment is being prepared for consideration when establishing requisition priorities.

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II. ADMINISTRATIVE

[Redacted]

Chief, Materiel Support Branch